CLAIMS

The invention claimed is:

_	4	. 1 .	
	1.	A device con	mnrising
_		** ************************************	

a telephone port for coupling to a telephone network; and

a processor coupled with the telephone port, wherein the processor is adapted

to

10

establish a modem connection with a modem over a telephone line;

exchange data with the modem over the modem connection;

receive from the modem a first MOH request for temporarily discontinuing the modem connection;

grant the first request and starting a timer;

receive from the modem a second MOH request for temporarily discontinuing the modem connection again;

consult the timer to determine whether a log-in session timeout time limit has been exceeded; and

if the log-in session timeout time limit has been exceeded, deny the second MOH request.

20

15

2. The device of claim 1, wherein the processor is further adapted to:

transmit to the modem a warning message that subsequent requests will also be denied.

- 25 3. The device of claim 1, wherein the processor is further adapted to: additionally transmit a reason for denying the second MOH request.
 - 4. The device of claim 1, wherein the processor is further adapted to:
 if the log-in session timeout time limit has not been exceeded, restart the timer.
 - The device of claim 1, wherein the log-in session timeout time limit is a preset default maximum timeout value.

35

30

6. The device of claim 1, wherein the processor is further adapted to:

determine the log-in session timeout time limit.

- 7. The device of claim 6, wherein the processor is further adapted to: receive information to identify a user; and
- look up data about the identified user to determine the log-in session timeout time limit.
 - 8. A device comprising:

a modem for coupling to a telephone network; and

a processor coupled with the modem, wherein the processor is adapted to establish a modem connection with a network device over a telephone line; exchange data with the network device over the modem connection; transmit through the modem connection a first request for temporarily discontinuing the modem connection;

temporarily discontinue the modem connection pursuant to the first request;

receive from the network device a warning message that a next request for temporarily discontinuing the modem connection will be denied.

- 20 9. The device of claim 8, wherein the processor is further adapted to: additionally receive a reason for the warning message.
 - 10. The device of claim 8, wherein the processor is further adapted to:
 receive a line request to transmit to the network device a new MOH request
- for temporarily discontinuing the modem connection after receiving the warning message; and

not transmit the new MOH request over the telephone line responsive to having received the warning message.

- The device of claim 10, wherein the processor is further adapted to: notify a user that the line request is denied.
 - 12. A device comprising:

means for establishing a modem connection with a modem over a telephone

35 line;

15

20

25

means for exchanging data with the modem over the modem connection; means for receiving from the modem a first MOH request for temporarily discontinuing the modem connection;

means for granting the first request;

5 means for starting a timer in association with the means for granting the first request;

means for receiving from the modem a second MOH request for temporarily discontinuing the modem connection again;

means for consulting the timer to determine whether a log-in session timeout time limit has been exceeded; and

if the log-in session timeout time limit has been exceeded, means for denying the second MOH request.

13. The device of claim 12, further comprising:

means for transmitting to the modem a warning message that subsequent requests will also be denied.

14. The device of claim 12, further comprising: means for additionally transmitting a reason for denying the second MOH request.

15. The device of claim 12, further comprising:

if the log-in session timeout time limit has not been exceeded, means for restarting the timer.

16. The device of claim 12, wherein

the log-in session timeout time limit is a preset default maximum timeout value.

- The device of claim 12, further comprising:means for determining the log-in session timeout time limit.
 - 18. The device of claim 17, further comprising: means for receiving information to identify a user; and
- means for looking up data about the identified user to determine the log-in session timeout time limit.

4.0		
19.	A devace	compressing
1./・	A device	comprising

establishing a modem connection with a network device over a telephone line; exchanging data with the network device over the modem connection; transmitting through the modem connection a first request for temporarily

5 discontinuing the modem connection;

temporarily discontinuing the modem connection pursuant to the first request; and

receiving from the network device a warning message that a next request for temporarily discontinuing the modem connection will be denied.

10

15

20. The device of claim 19, further comprising: means for additionally receiving a reason for the warning message.

21. The device of claim 19, further comprising:

means for receiving a line request to transmit to the network device a new MOH request for temporarily discontinuing the modem connection after receiving the warning message; and

means for not transmitting the new MOH request over the telephone line responsive to having received the warning message.

20

- 22. The device of claim 21, further comprising: means for notifying a user that the line request is denied.
- 23. An article comprising: a storage medium, the storage medium having25 instructions stored thereon, wherein when the instructions are executed by at least one device, they result in:

establishing a modem connection with a modem over a telephone line;

exchanging data with the modem over the modem connection;

receiving from the modem a first MOH request for temporarily discontinuing

30 the modem connection;

granting the first request and starting a timer;

receiving from the modem a second MOH request for temporarily discontinuing the modem connection again;

consulting the timer to determine whether a log-in session timeout time limit has been exceeded; and

if the log-in session timeout time limit has been exceeded, denying the second MOH request.

5

- 24. The article of claim 23, wherein the instructions further result in:
 transmitting to the modem a warning message that subsequent requests will also be denied.
- 10 25. The article of claim 23, wherein the instructions further result in: additionally transmitting a reason for denying the second MOH request.
 - 26. The article of claim 23, wherein the instructions further result in: if the log-in session timeout time limit has not been exceeded, restarting the timer.
 - 27. The article of claim 23, wherein the log-in session timeout time limit is a preset default maximum timeout value.

20

25

15

- 28. The article of claim 23, wherein the instructions further result in: determining the log-in session timeout time limit.
- 29. The article of claim 28, wherein the instructions further result in: receiving information to identify a user; and

looking up data about the identified user to determine the log-in session timeout time limit.

30. An article comprising: a storage medium, the storage medium having30 instructions stored thereon, wherein when the instructions are executed by at least one device, they result in:

establishing a modem connection with a network device over a telephone line; exchanging data with the network device over the modem connection; transmitting through the modem connection a first request for temporarily

35 discontinuing the modem connection;

temporarily discontinuing the modem connection pursuant to the first request; and

10

15

20

25

35

receiving from the network device a warning message that a next request for temporarily discontinuing the modem connection will be denied.

- 31. The article of claim 30, wherein the instructions further result in: additionally receiving a reason for the warning message.
- 32. The article of claim 30, wherein the instructions further result in:
 receiving a line request to transmit to the network device a new MOH request
 for temporarily discontinuing the modem connection after receiving the warning
 message; and

not transmitting the new MOH request over the telephone line responsive to having received the warning message.

- 33. The article of claim 32, wherein the instructions further result in: notifying a user that the line request is denied.
- 34. A method comprising:
 establishing a modem connection with a modem over a telephone line;
 exchanging data with the modem over the modem connection;
 receiving from the modem a first MOH request for temporarily discontinuing
 the modem connection;

granting the first request and starting a timer;

receiving from the modem a second MOH request for temporarily discontinuing the modem connection again;

consulting the timer to determine whether a log-in session timeout time limit has been exceeded; and

if the log-in session timeout time limit has been exceeded, denying the second MOH request.

- 30 35. The method of claim 34, further comprising:
 - transmitting to the modem a warning message that subsequent requests will also be denied.
 - 36. The method of claim 34, further comprising: additionally transmitting a reason for denying the second MOH request.

20

37.	The method of claim 34, further comprising:		
	if the log-in session timeout time limit has not been exceeded, restarting the		
timer.			

5

- 38. The method of claim 34, wherein the log-in session timeout time limit is a preset default maximum timeout value.
- 10 39. The method of claim 34, further comprising: determining the log-in session timeout time limit.
 - 40. The method of claim 39, further comprising: receiving information to identify a user; and
 - looking up data about the identified user to determine the log-in session timeout time limit.
 - 41. A method comprising:

establishing a modem connection with a network device over a telephone line; exchanging data with the network device over the modem connection; transmitting through the modem connection a first request for temporarily discontinuing the modem connection;

temporarily discontinuing the modem connection pursuant to the first request; and

- receiving from the network device a warning message that a next request for temporarily discontinuing the modem connection will be denied.
 - 42. The method of claim 41, further comprising: additionally receiving a reason for the warning message.

30

43. The method of claim 41, further comprising:

receiving a line request to transmit to the network device a new MOH request for temporarily discontinuing the modem connection after receiving the warning message; and

not transmitting the new MOH request over the telephone line responsive to having received the warning message.

- 44. The method of claim 43, further comprising:
- 5 notifying a user that the line request is denied.